

Amendment Under 37 C.F.R. § 1.111
Serial No.: 10/733,639
SUGHRUE MION, PLLC Ref: Q78940

AMENDMENTS TO THE DRAWINGS

Two sheets Replacement Drawings

Attachment: Replacement Sheets

Amendment Under 37 C.F.R. § 1.111
Serial No.: 10/733,639
SUGHRUE MION, PLLC Ref: Q78940

REMARKS

The Examiner has requested a copy of the application with the lines one and one-half spaced. The application, as originally submitted, was in one and one half spacing. Accordingly, this requirement has been met.

With respect to the objection to the specification, page 8 of the specification has been amended to reference number 26, instead of 23 in describing Fig. 3. Also, Applicants submit herewith corrected drawings in which reference characters “10” and “α” have been added to Fig. 3 and reference characters “28” and “30” have been added to Fig. 4. Thus, it is submitted that the objections to the specification have been overcome.

Claims 1-9 are all the claims pending in the application. Claim 6 is rejected under 35 U.S.C. § 112 (second paragraph) as being indefinite. Claims 1-6 are rejected under 35 U.S.C. § 102(e) as being anticipated by Kim, et al. (U.S. Patent Publication No. 2004/0042747). Claim 1 is provisionally rejected on the ground of nonstatutory double patenting over claim 1 of co-pending Application Serial No. 10/629,893. For the following reasons, Applicants respectfully traverse the Examiner’s rejections and submit that the application is in condition for allowance.

With respect to the §112 (second paragraph) rejection, the Examiner asserts that the phrase “integrating it positions” is not understood. Applicants submit that this phrase would be easily understood by a person of ordinary skill in the art, particularly in view of the specification. More specifically, the present invention is based on the fact that the torsion applied to the fiber being drawn is a function of the position of the fiber on the oscillating pulley; thus measuring the position of the fiber enables the torsion applied to the fiber to be determined.

Amendment Under 37 C.F.R. § 1.111
Serial No.: 10/733,639
SUGHRUE MION, PLLC Ref: Q78940

The images produced by an image sensor are transmitted to an analyzer, in which they are analyzed to determine the position of the fiber on the pulley. The software is programmed to determine in an image the position of the fiber relative to the oscillating pulley, to be more precise the angle between the pulley and the fiber. The position of the fiber relative to the pulley is representative of the torsion applied to the fiber. As disclosed in the originally filed English description on page 8, lines 10-22, the angle α_M , the graph of the function associating time and the angle α can be determined from the images, this function approximated by a second, third or fourth order polynomial, and the integral of the function over a half-period calculated.

Applicants respectfully submit that the § 102 rejection is moot in view of the enclosed English language translation of the priority document, since the priority date, December 31, 2002, of the subject application predates the filing date, July 29, 2003, of the Kim et al. reference.

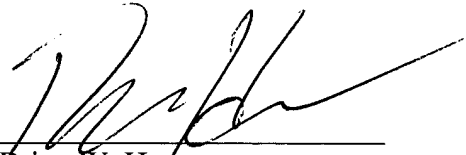
With respect to the double-patenting rejection, this rejection is respectfully traversed because the present application is assigned to Draka Comteq B.V. and Application Serial No. 10/629,893, is assigned to LG Cable Ltd. Thus, they are not commonly assigned.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Amendment Under 37 C.F.R. § 1.111
Serial No.: 10/733,639
SUGHRUE MION, PLLC Ref: Q78940

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



Brian W. Hannon
Registration No. 32,778

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: January 17, 2007